

What's the matter with matter?

February 1, 2016

Like people, materials contain defects or imperfections not visible to the human eye. These variations can come into play during material creation and their use for many applications, including nuclear reactors and weapons. The Lab is currently developing a concept for a large-scale facility, called MaRIE (short for Matter-Radiation Interactions in Extremes), to probe materials during processing and while they are undergoing high stress to follow in real time the evolution of their defect structures. This work will help build design tools to predict the performance of real-life materials under important conditions.

Jack Shlachter, with the Lab's Theoretical Division, will help explore this topic.

Join us for discussion in which small things really do matter.

Science on Tap is a convivial opportunity to engage with Lab scientists on their current projects. A brief presentation is followed by lively questions, answers and discussion. The fun takes place on the third Thursday of each month from 5:30 to 7 p.m. at the UnQuarked Wine Room at 145 Central Park Plaza in Los Alamos.

The sessions are a joint project between the Bradbury Science Museum and the [Los Alamos Creative District](#).

1350 Central Avenue
Los Alamos, NM 87545



BRADBURY

SCIENCE museum

(505) 667-4444
www.lanl.gov/museum

Operated by Los Alamos National Security, LLC for the Department of Energy's NNSA

